

7



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

OFFICE OF PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

DATE: November 25, 2008

SUBJECT: Science Review in Support of the Registration of Refined Oil of *Nepeta Cataria* 15% Liquid and Refined Oil of *Nepeta Cataria* 7% Liquid, Containing 15% and 7% Oil of *Nepeta cataria*, respectively, As Its Active Ingredients.

Decision Number:	381478
DP Number:	358740
EPA File Symbol Numbers:	71654-EL, 71654-EU
Chemical Class:	Biochemical
PC Code:	004801
CAS Number:	8023-84-5
Tolerance Exemptions:	n/a
MRID Numbers:	471814-00, 01, 02; 474254-00, 01

FROM: Jacob Moore, Chemist /s/ 11/25/08 *Jacob Moore*
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511P)

THROUGH : Russell S. Jones, Ph.D. Senior Biologist /s/ 11/25/08 *Russell S. Jones*
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511P)

TO: Raderrio Wilkins, Regulatory Action Leader
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511P)

~~**THE FOLLOWING CONTAINS CONFIDENTIAL BUSINESS INFORMATION**~~

ACTION REQUESTED

In response to the request for additional information relayed in a letter from BPPD to the registrant dated 08/29/07, the registrant has submitted product chemistry studies in MRIDs 47181401, 47181402, and 47425401.

Oil of *Nepeta cataria*
PC Code: 004801

DP Number: 381478
EPA Reg. No.: 71654-EL & EU

RECOMMENDATIONS AND CONCLUSIONS

1. The CSFs dated 7/17/07 is acceptable, but the following is noted:
 - a. The source of the active ingredient, 71654-EN, is not yet registered. Successful registration of products 71654-EL and -EU are dependent on registration of product 71654-EN.
2. Product chemistry data for product 71654-EU is unacceptable:
 - a. Storage stability (OPPTS 830.6317) and corrosion characteristics (OPPTS 830.6320) data must be submitted.
3. Product chemistry data for product 71654-EL is unacceptable:
 - a. Storage stability (OPPTS 830.6317) and corrosion characteristics (OPPTS 830.6320) data must be submitted.

STUDY SUMMARIES

Product Chemistry (MRIDs 47181401, 47181402, and 47425401)

Refined oil of *Nepeta cataria* is a mixture of naturally-derived compounds, consisting primarily of dihydronepetalactone. Commonly known as hydrogenated catmint oil (HCO), the active ingredient in these formulations is for use as a topical insect repellent. At room temperature, the two end-use products are liquid, the difference between the two products being the concentrations of active ingredient (15% and 7%) and the concentrations of several inert ingredients, [REDACTED] MSDS were submitted for each of the inert ingredients from their respective manufacturers. The product chemistry data in these studies are satisfactory for satisfying the data requirements. However, no product chemistry data was submitted for storage stability and corrosion characteristics. Successful registration of the end-use products is dependent on these data requirements being satisfied through data or waiver rationale.

cc: J. Moore, R. Jones, R. Wilkins, BPPD Science Review File, IHAD/ARS
J. Moore, FT, PY-S: 11/25/08

Product ingredient source information may be entitled to confidential treatment



13544

R174104

Chemical Name: Nepeta cataria oils

PC Code: 004801

HED File Code: 41600 BPPD Other

Memo Date: 11/25/2008

File ID: DPD358740

Accession #: 000-00-0130

HED Records Reference Center
10/13/2009